Functions	Method	Path	Auth Rrequired	Data in	Data out
User					
Create a user account	POST	/user	FALSE	first name*, last name*, email*, username*, password*	User Object
Log in	POST	/user/login	FALSE	username*, password*	User Object
Log out	POST	/user/logout	TRUE	N/A	
Update user information	PATCH	/user	TRUE	first name, last name, email, username, password	User Object
Set profile photo	PATCH	/user	TRUE	profile photo file*	
Get user info	GET	/user or /user/:id	TRUE	N/A	User Object
Delete user	DELETE	/user	TRUE		
Find users	GET	/users	FALSE		[Users]
Send a friend request	POST	/requests/friend/:id	TRUE	friendID*	Request Object
Accept friend request	PATCH	/requests/friend/:id	TRUE	friendIb*	Request Object
Get friend requests	GET	/requests/friend	TRUE		[Users]
Remove friend	DELETE	/friends/:id	TRUE	friendID	
Broadcast (B) Messages					
Get B-messages	GET	/messages/posts	FALSE	friends[userID] possibly userID of friends of friends	[Posts]
Send B-message	POST	/messages/post	TRUE	chatID	Post Object
Comment on B-message	POST	/messages/post/:id	TRUE	messageID	Comment Object
Bookmark B-message	PATCH	/mesages/post	TRUE	messageID	
Get user's B-messages	GET	/messages/posts	FALSE	userID	[Posts]
Block user's B-messages	PATCH	/messages/posts	TRUE	userID	
Unblock user's B-messages	PATCH	/messages/posts	TRUE	userID	
Group (G) Chat/Conversation					
User creates group	POST	/group	TRUE	group name, members(usersID)	Group Object
Invite member to group	POST	/group/:id	TRUE	userID	
Join a group	POST	/group/:id	TRUE	groupID	Group Object
Leave a group	DELETE	/group/:id	TRUE	group ID	
Ban member from group	PATCH	/group/:id	TRUE	userID	Group Object
Transfer ownership of group	PATCH	/group/:id	TRUE	userID(new Admin)	Group Object
Change name of group	PATCH	/group/:id	TRUE	new group name, groupID	Group Object
Change group logo	PATCH	/group/:id	TRUE	logo file, groupID	Group Object
Change background of group	PATCH	/group/:id	TRUE	background file, groupID	Group Object
Change group visibility	PATCH	/group/:id	TRUE	visibility settings (private or public)	Group Object
Delete group	DELETE	/group/:id	TRUE		
Get all G-messages	GET	/messages/group/:id	TRUE		[Messages]
Search in Conversation	GET	/messages/group/:id	TRUE		[Messages]
Send G-message	POST	/message/group/:id	TRUE		Message Object
Direct (D) Messages					
Get chat IDs	GET	/chats	TRUE	userID*	[Chats]
Load messages	GET	/messages/chat/:id	TRUE	N/A	[Messages]
Send a D-message	POST	/message/chat/:id	TRUE	content*	[Message]
Edit messages	PATCH	/message/chat/:m_id/:c_id	TRUE	messageID, content*	[Message]
Delete message	DELETE	/message/chat/:m_id/:c_id	TRUE	messageID*	
Pin message	PATCH	/message/chat/:m_id/:c_id	TRUE	messageID*	
Forwarding	POST	/message/chat/:m_id	TRUE	recipientID*, messageID*	[Message]